OS 130

LASER PARTICLE COUNTER

0 - 40 °C
measuring gas temperature

3-8 bar
system pressure

DESCRIPTION

OS 130 is a new generation laser particle counter optimized for applications in compressed air or compressed gases. With quality in mind and with the knowledge of customers needs this instrument is designed for continuous operation 24 hours, 7 days a week. Depending on the selected model there is sensitivity available from 0.1 µm up to 5.0 µm.

OS 130 can fulfill the requirements stipulated in the compressed air standard ISO 8573-4. The measurement values represent the particle counts per ft^3, l or m^3 or alternatively in $µg/m^3$. Settings can be done through the integrated display, an external display or through the service software.

APPLICATIONS

- General comp. air systems
- Medical air
- Pharmaceuticals
- Breathable air
- Marine air
- Food and beverage
- Medical engineering
- High speed trains
- Semiconductor fabs
- Conveyance of hygroscopic food
- High tech processes
- Electronics industry

OS 130			
Measuring range	System pressure:		3 ... 8 bar
	Gas temperature:		0 °C ... +40 °C (at inlet)
	Ambient temperature:		10 °C ... +40 °C
	Particle size:	OS 130 A	2 channels: 0.3 - 0.5 µm, >0.5 µm
		OS 130 B	4 channels: 0.2 - 0.3 µm, 0.3 - 0.5 µm, 0.5 - 1.0 µm, >1.0 µm
		OS 130 C	4 channels: 0.5 - 1.0 µm, 1.0 - 3.0 µm, 3.0 - 5.0 µm, >5.0 µm
		OS 130 D	2 channels: 0.5 - 5.0 µm, >5.0 µm
		OS 130 E	4 channels: 0.3 - 0.5 µm, 0.5 - 1.0 µm, 1.0 - 5.0 µm, >5.0 µm
Counting efficiency	50 %		
Sample flow rate	2.83 l/min		
Gas connection	6 mm quick connection		
Sampling rate	One sample per minute		
Output signal	RS-485, Modbus/RTU, 4 ... 20 mA		
Protection class	IP 65		
Casing dimensions	271 X 205 X 91 mm		
Display / data logger	5" touch screen, 100 million values		
Power supply	24 VDC, 5 W		
Transport temperature	-30 °C ... +70 °C		